

Technology Requirements**Broadband connectivity**

- Must use Business Class DSL
- Must provide a public routable static IP address for 1 host
- Must use a DSL modem with 4 port integrated switch and routing functions for multiple devices
- Should not use point to point wireless connectivity
- Must use a minimum broadband connectivity speed of
 - 384 kbps upload 1.5 mb download
- Should not share Broadband connection with other businesses

LAN Cabling

- Must provide dedicated cabling to be run from each network device to a centralized location
- Must use Category 5 or above cabling
- All network connectivity devices (firewall, hubs, DSL modem) must reside within 2 feet of each other.
- Network cabling must follow industry standard guidelines and local code regulations

Miscellaneous

- Network equipment should reside in a closet.
- Must provide the state agency with an office wiring diagram depicting office furniture, counter space, walls, doors, LAN cabling, power outlets to state owned equipment within 30 days of office opening
- Must provide dedicated single socket electrical receptacle for networking equipment
- Must only connect state owned or state approved equipment to the State of Missouri provided firewall or router
- All networking equipment must be connected to a surge protector
- All network connectivity equipment must reside within the following environmental conditions:
 - Temperature: 32 to 104°F (0 to 40°C)
 - Relative humidity: 10 to 90 percent, noncondensing
 - Altitude: 0 to 6500 feet (2000 m)
 - Shock: 250 G, < 2 ms
 - Vibration: 0.41 Grms² (3-500 Hz) random input
- Must agree that any non State of Missouri equipment connected directly to the DSL modem will not be supported by State of Missouri staff, or failures resulting from this equipment
- All network equipment must be visible and openly available for routine maintenance. Must include no physical obstructions within 1 foot of the equipment.